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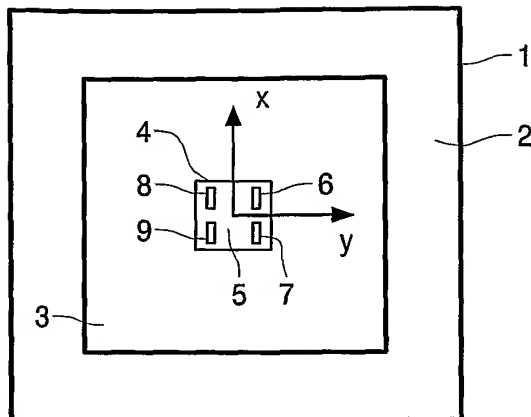
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(54) Title: MAGNETIC-FIELD-SENSITIVE SENSOR ARRANGEMENT



(57) Abstract: A magnetic -field-sensitive sensor arrangement
comprises - a first conductor arrangement with at least two electrical
half-bridges each having at least two bridge branches, at least one of
which contains a magnetic-field-sensitive semiconductor element,
which sensor arrangement supplies a measurement signal depending
on the magnetic field strength of a component of a magnetic field
at the location of at least one of the half-bridges, this being referred
to as the measurement field and being aligned in a measurement
direction of the sensor arrangement, and - a device which forms
the measurement field with a value of its magnetic field strength,
which depends on the magnetic permeability of a medium that
at least partially surrounds the sensor arrangement, whereby the
measurement signal is a measure of the magnetic permeability of
the medium. A simple sensor arrangement for measuring a medium
which affects a magnetic field is thus provided.

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